

M700DM8-4E, 7-inch Rugged Tablet PC

A Rugged Tablet that Can Survive Any Environment and Get Real Work Done

M700DM8 is a compact rugged tablet PC with robust set of features designed to withstand industrial use while providing high tech solutions that increase productivity, improve safety, and reduce operational costs.

The processing power comes from ARM A53 Octa Core processor that supports Android 7.0 OS. The tablet features a brilliant, in-plane switching with projected capacitive touch screen and offers 1280 x 720 pixel resolution. Weighing at just 1.2 pounds (approx. 550 grams) the M700DM8 delivers lightweight mobility in a pocket-sized rugged tablet.



Highlights

- ARM A53 Octa Core Processor
- 7" 1280 x 720 TFT Panel with direct optical bonding
- Supports Android 7.0 OS
- Hot-swappable battery design
- IP65 waterproof and dustproof
- Rated for extreme temperature use
- Optional integrated 2D barcode reader

| Order Information | | |
|-------------------|----------------------------|-------------------|
| | 4G | 2D Barcode Reader |
| M700DM8-4E | 4G/LTE for for EU and Asia | Optional |
| M700DM8-4EBM | 4G/LTE for for EU and Asia | Default |

NFC Tag Support

| Support Card Type (13.56 MHz) | |
|-------------------------------|--|
| NFC Forum Platform | Type 1, Type 2, Type 3, Type 4 |
| ISO 15693 | TI HF-I Plus, TI HF-I Pro, NXP-Code SLI |
| ISO 14443-A | NXP Mifare_One(S50_4byte), NXP Mifare_One(S50_7byte), NXP Mifare_One(S70_4byte), NXP Mifare_UltraLight, NXP Mifare_UltraLight C NXP Mifare_DesFire_EV1 NXP Mifare_Plus S/X |
| ISO 14443-B | ifineon JTOP |
| ISO 18092(R/W) | SONY Felica Lite s, SONY Felica Lite |

M700DM8-4E, 7-inch Rugged Tablet PC

A Rugged Tablet that Can Survive Any Environment and Get Real Work Done

Display Specification

| | |
|----------------|--|
| Size | 7-inch |
| Resolution | 1280 x 720 |
| Brightness | 650 nit |
| | With direct optical bonding for sunlight readable |
| Touch | Multi-touch projected capacitive |
| Contrast Ratio | 800:1 |
| Viewing Angle | 80/80/80/80 |
| Technology | <ul style="list-style-type: none">• Ambient light sensor, g-sensor• Automatic screen rotation |

System Specification

| | |
|------------------|---|
| Processor | ARM A53 Octa-core 1.3 GHz |
| System Memory | 2GB RAM ¹ |
| Storage | 16GB eMMC |
| | Additional storage available with optional Storage Card: SD (up to 2 GB), SDHC (up to 64 GB) |
| Operating System | Android 7.0 |

Wireless Communication

| | |
|------|-------------------------------------|
| WLAN | 802.11 a/b/g/n |
| BT | BT 4.0 |
| | Support BLE mode + wide-band speech |
| GPS | GPS / AGPS / GLONASS |
| WWAN | 4G/LTE or 3G. |

Interface

| | |
|-------------------|------------------------|
| Docking Connector | 1 x docking connector |
| USB | 1 x Micro USB OTG |
| Power Input | 1 x Power Jack |
| Micro SD | 1 x Micro SD Card Slot |
| SIM Card Slot | 1 x SIM Card Slot |

Keyboard and Input

| | |
|----------------|--|
| Touch | 10-point multi touch, support Hand / Gloves and Rain Mode |
| Button | On-screen QWERTY keyboard Button 1 x Volume +/- , 1 x Power Button, 1 x Home Button, 1 x Menu Button, 1 x Return Button, 1 x Trigger Button |
| LED Indicators | 2 x LED indicators (Power, Battery) |

Audio

| | |
|------------|-------------------|
| Microphone | 2 x Built-in Mic |
| Speaker | 1 x 1.2 W speaker |
| Earphone | 1 x Earphone |

Cameras

| | |
|-------------|--|
| Web Camera | 2MP Camera |
| Rear Camera | 8MP Camera with LED auxiliary light (auto focus) |

Data Capture

| | |
|----------------|----------------------------|
| Barcode Reader | Optional 2D Barcode Reader |
|----------------|----------------------------|

Security Function

| | |
|--------------------------|--|
| Mobile Device Management | SOTI Mobicontrol compatible ² |
|--------------------------|--|

Mechanical and Environment

| | |
|-----------------------|--|
| Dimension (W x L x H) | 212.4 x 132.8 x 19 mm (8.36 x 5.23 x 0.75 inches) ³ |
| Weight | 550g |
| Operating Temperature | -20°C to 60°C (AC mode), -10°C to 50°C (Battery mode) |
| Storage Temperature | -30°C to 70°C (-22°F to 158°F) |
| Humidity | 5% to 95% RH, non-condensing |
| IP Proof | IP65 Certified, waterproof and dustproof |
| Shock | MIL-STD-810G Method 516.6 Procedure I |
| Vibration | MIL-STD-810G Method 514.6 Procedure I |
| Drop | MIL-STD-810G Method 516.6, 5 ft ⁴ |

Power Management

| | |
|------------------------|-------------------------|
| Power Input | 5V DC |
| Battery | 3.7V 5300mAh Li-Poly |
| Battery Operating Time | 20Hr ⁵ |
| Adapter | 100-240V/ 5V 3A Adapter |

Accessories

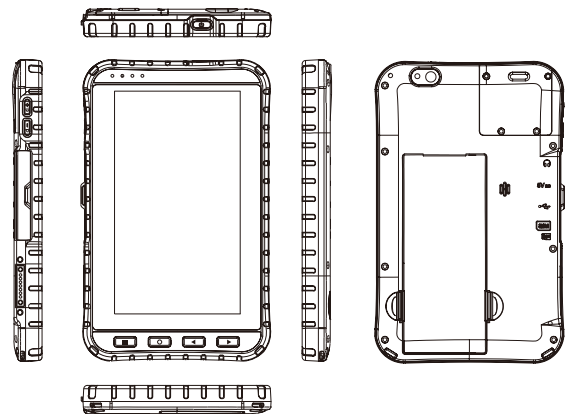
Standard Accessories

| | |
|-------------------|--------------|
| Universal Adapter | 9226015W05V1 |
| Battery | 98K007SP002P |

Optional Accessories ⁶

| | |
|--------------------------------------|--------------|
| Battery Charging Dock | 98TA00Z00003 |
| Vehicle Dock (Charging + Connectors) | 98TA07Z00004 |
| Vehicle Dock (Charging Only) | 98TA07Z00003 |
| Desk Dock | 98TA07Z00005 |
| Hand Strap | 98K000A0004R |
| Carry Bag | 9B000000000X |
| Micro SD Card | 76G004300000 |
| Capacitive Touch Stylus | 9B000000001D |
| Vehicle Adapter | 98TZ00ZZ0006 |

Drawing ⁷



Caution

Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example)
Do not expose bare skin to this product when handling this unit in extreme hot or cold environments

1. Total usable memory will be less depending upon actual system configuration
2. SOTI are available upon request
3. Length measurements do not include protrusions.
4. The drop test with high-capacity battery must come with hand strap
5. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
6. Accessories and Integrated Options may vary depending on your configuration.
7. This is a simplified drawing and some components are not marked in detail.